

Application Serial No. 10/796,886
Amendment Dated August 24, 2005
Reply to Office Action Dated May 24, 2005

Listing of Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A wastewater source control system for ~~use with a sewer service line conducting a flow of wastewater from a sewage line of reducing entry of wastewater with sanitary sewage from a running trap of a building drain to a sewer main in response to a high flow in the sewer main~~, the wastewater source control system comprising:

~~a sewer service line having an upstream end connected to the building drain and a downstream end connected to the sewer main, the sewer service line conducting a flow of wastewater with sanitary sewage from the building drain to the sewer main;~~

~~a flow control device [[adapted to be]] installed in the sewer service line downstream of the running trap, the flow control device automatically closing in response to a backflow of wastewater and/or stormwater from the sewer main, through the sewer service line and toward the building drain, and the flow control device automatically opening in response to a normal flow of wastewater from the building drain, through the sewer service line and into the sewer main; and~~

~~a detention tank disposed in the sewer service line upstream of the flow control device and downstream of the running trap, the detention tank detaining the wastewater with sanitary sewage from the building drain in response to the flow control device being closed and the wastewater with sanitary sewage draining from the detention tank upon the flow control device subsequently opening.~~

2. (original) The wastewater source control system of claim 1 wherein the flow control device is disposed near a downstream end of the sewer service line.

3. (original) The wastewater source control system of claim 2 wherein the detention tank is disposed near a downstream end of the sewer service line.

4. (original) The wastewater source control system of claim 2 wherein the detention tank is disposed near an upstream end of the sewer service line.

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5. (original) The wastewater source control system of claim 1 further comprising a service box and the flow control device is disposed in the service box.

6. (original) The wastewater source control system of claim 1 wherein the detention tank and flow control device are disposed near an upstream end of the sewer service line.

7. (original) The wastewater source control system of claim 6 wherein the detention tank and flow control device are located inside a perimeter of the building.

8. (currently amended) A method of reducing entry of wastewater [[in]] with sanitary sewage from a running trap of a building drain into a sewer main in response to a high flow in the sewer main receiving the wastewater from a sewer service line connected to a sewage line in a building, the method comprising:

providing a sewer service line having an upstream end connected to the building drain and a downstream end connected to the sewer main, the sewer service line conducting the wastewater with sanitary sewage from the building drain to the sewer main;

providing a flow control device connected in the sewer service line and a detention tank connected in the sewer service line upstream of the flow control device and downstream of the running trap;

automatically closing the flow control device in response to a backflow of stormwater from the sewer main, through the sewer service line and up to the flow control device; and

detaining the wastewater with sanitary sewage from the building drain in the detention tank while the flow control device is closed.

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9. (currently amended) The method of claim 8 further comprising:

automatically opening the flow control device in response to a flow of stormwater away from the flow control device; and

automatically draining the wastewater with the sanitary sewage detained in the detention tank in response to the flow control device being open.